I Number	Hits	Search Text	DB	Time stamp
1	21) or ("	USPAT;	2003/03/06 12:27
		r ("5210021") o	US-PGPUB; EPO; JPO;	
			DERWENT;	
	4	("4560599" "5041266" "5458852" "5544218").PN.	USPAT	
1	Η (USPAT	
1 1	7 [("454198/" "514/606").PN.	USPAT	2003/03/06 12:58
1	1 00	("3888770" "3929583" "4317726" "4493815" "4514495" "4714674" "4013067" "5023173", bM	USPAT	2003/03/06 13:02
-	ω		USPAT	2003/03/06 13:20
	-	"491205/" "50231/3").PN.	HSDAT:	2003/03/06 13.32
			US-PGPUB; EPO; JPO; DERWENT;	
	т		IBM TDB USPAT	
1	ω -	("3888770" "3929583" "4317726" "4493815" "4514495" "4714674" "4017057" "5023173") DM	USPAT	2003/03/06 14:58
1	0	1912(5) 30231/3).FN.	TCDAT.	2003/03/06 14.50
,	2442	(422/102).ccis.	USPAT;	2003/03/06 15:03
			US-PGPUB; EPO; JPO;	
	•		DERWENT; IBM_TDB	
1	7	((422/102).CCLS.) and (overlaps4 near well)	USPAT; US-PGPUB;	2003/03/06 15:02
			EPO; JPO; DERWENT;	
1	1	((422/102).CCLS.) and (microplate or micro-plate or (micro adj plate) or	USOCR	2003/03/07 16:53
	337	(422/102).CCLS. (microplate or micro-plate or (micro adi plate) or	USOCR	2003/03/06 15:04 2003/03/07 16:48
		microtiter or micro-titer or (micro adj titer) or multiwell or multi-well or (multi adj well) or microtitration)	US-PGPUB;	
			DERWENT;	
-	2	("6379625").PN.	USPAT;	2003/03/06 15:29
			EPO; JPO;	
-57-			DERWENT;	
	62	((422/102).CCLS.) and silane	USPAT;	2003/03/07 16:49
			EPO; JPO;	
			DERWENT; IBM TDB	

1	420817	poly(ethylene-co-trialkoxyvinylsilane)	USPAT;	2003/03/07 16:49
			US-PGPUB;	
			EPO; JPO;	-
ı	125	422/102.ccls. and poly(ethylene-co-trialkoxyvinylsilane)	DERWENT; IBM_TDB USPAT;	2003/03/07 16:50
			US-PGPUB; EPO; JPO;	
			DERWENT;	
1	1	(microplate or micro-plate or (micro adj plate) or microtiter or micro-titer or (micro adj titer) or multiwell or multi-well or (milti adj	USPAT; USPAT; US-PGPUB;	2003/03/07 17:28
		well) or microtitration) and (frame with silane)	EPO; JPO;	
			IBM TDB	
1	CTOT	(microplate or micro-plate or (micro ad) plate) or microtiter or micro-titer or (micro ad) titer) or multiwell or multi-well or (multi ad)	US-PGPUB;	87:/1 /0/50/5002
		well) or microtitration) and silane	EPO; JPO; DERWENT;	
ı	4	so the state of th	IBM TDB	73.31 70/50/5005
	P	(untrophace of intero-place of untero and place) of interoller of multi-well or (multi adj	USFAL; US-PGPUB;	/6:91 /0/60/6007
		well) or microtitration) and silane) and (microplate or micro-plate or	EPO; JPO;	
		(Micro adj plate) or microtiter or micro-titer or (micro adj titer) or miltiwell or milti-well or (milti adj well) or microtitration) ti	DERWENT;	
1	17	(microplate or micro-plate or (micro adj plate) or microtiter or	USPAT;	2003/03/07 17:39
		micro-titer or (micro adj titer) or multiwell or multi-well or (multi adj	US-PGPUB;	
		well) or microtitration) same silane	EPO; JPO; DERWENT;	
	C		IBM TDB	100000000000000000000000000000000000000
1	32	(micropiate or micro-plate or (micro ad) plate) or microtiter or micro-titer or (micro ad) titer) or multiwell or multi-well or (multi ad)	USPAT; US-PGPUB;	Z003/03/0/ 1/:23
			EPO; JPO;	
			DERWENT;	
1	22	((microplate or micro-plate or (micro adj plate) or microtiter or	USPAT;	2003/03/07 17:23
		micro-titer or (micro adj titer) or multiwell or multi-well or (multi adj	US-PGPUB;	•
		or microtitiation) and Sirane)	DERWENT;	
1	ď	(microniate or micro-hlate or (micro adi nlate) or microtiter or	IBM TDB	003/03/07 17:40
	>	micro-titer or (micro adj titer) or multiwell or multi-well or (multi adj	US-PGPUB;	
		well) or microtitration) with silane	EPO; JPO; DERWENT;	
	ı		IBM_TDB	1
ı	n	(microplate or micro-plate or (micro adj plate) or microtiter or micro-titer or (micro adj titer) or multiwell or multi-well or (multi adj	USPAT; US-PGPUB;	2003/03/09 13:06
		well) or microtitration) and (ethoxysilane)	EPO; JPO;	
			IBM TDB	

	2	11207855 did	USPAT:	2003/03/03/09 12:30
	1		US-PGPUB;	
			EPO; JPO; DERWENT;	-
1	m	9516005.did.	IBM TDB USPAT;	2003/03/09 12:33
			US-PGPUB;	
			EPO; JPO; DERWENT;	
			IBM_TDB	
1	~	("5234986").PN.	USPAT; US-PGPUB;	2003/03/09 12:44
			EPO; JPO;	
			TEM TOB	
1	9	150595.did.	USPAT;	2003/03/09 12:46
			US-PGPUB;	
			DERWENT;	
	,		IBM TDB	
ı	T	59222341.dld.	USPAT;	2003/03/09 12:46
			EPO; JPO;	
			DERWENT;	
	c	Mddi 1900 1 190	IBM TDB	2003/03/09 12:58
: 1	241	(microplate or micro-plate or (micro ad) plate) or microtiter or	USPAT;	2003/03/09 13:15
		micro-titer or (micro adj titer) or multiwell or multi-well or (multi adj	US-PGPUB;	
		Well) of microfitration) and (borosificate hear glass)	DERWENT;	
			IBM_TDB	
1	m	(microplate or micro-plate or (micro adj plate) or microtiter or	USPAT;	2003/03/09 13:10
		well) or microtitration) with (borosilicate near glass)	EPO; JPO;	
			DERWENT;	
1	25	(microplate or micro-plate or (micro adj plate) or microtiter or	USPAT;	2003/03/09 13:11
		micro-titer or (micro ad) titer) or multiwell or multi-well or (multi ad)	US-PGPUB;	
		Well) or microtitration) same (borositicate near glass)	DERWENT;	
			IBM_TDB	
(77	((microplate or micro-plate or (micro ad) plate) or microtiter or	USPAT;	2003/03/09 13:11
		well) or microtitration) same (borosilicate near glass)) not ((microplate	EPO; JPO;	
		or micro-plate or (micro adj plate) or microtiter or micro-titer or (micro	DERWENT;	
		adj titer) or multiwell or multi-well or (multi adj well) or	IBM_TDB	
	97881	microtitration) with (borosilicate near glass)) (micromlate or micro-wlate or (micro) or microtitor or	. T.K.D.211	71.51 00/50/5006
	0	micropiace of micro adi titer) or multiwell or multi-well or (multi adi	US-PGPUB;	11.01
		well) or microtitration) and (coat\$3)	EPO; JPO;	
-	_		DERWENT;	

well) or microtitration) same (coats3) - 6035 (microplate or micro-plate or (micro add plate) or micro-titer or (micro-add piter) or multiwell or vell) or microtitration) with (coats3) - "20010038071" 12 ((422/103).CCLS.) and stator 67 (422/103).CCLS.) and stator 1394 (stator or rotor or valve) and shuttle and bypass ("4221568" "4311667" "4728502").PN. 660 (422/103).CCLS. 3 ("4221568" "4311667" "4728502").PN. 699526.URPN. 10 ("grady.in.").PN. 7 grady.in. and 422/\$.ccls.	itration) same (coat\$3)	EPO; JPO;	
6035 (microplate or micro-plate or (micro admicro-titer or (micro adj titer) or multuell) or microtitration) with (coat\$3) 2 "20010038071" 12 ((422/103),CCLS.) and stator (422/103),CCLS.) and stator (422/103),CCLS.) and stator (422/103),CCLS. 3 (422/103),CCLS. 660 (422/103),CCLS. 7 (7221568" "4311667" "4728502"),PN. 6996276,URPN. 6996276,URPN. 7 grady.in. ").PN. 7 grady.in. and 422/\$.ccls. 1389 ((stator or rotor or valve) and shuttle	T MRT	ENT;	
2 "20010038071" 12 ((422/103).CCLS.) and stator 67 (422/103).CCLS.) and stator 1394 (stator or rotor or valve) and shuttle and shuttle and stator or rotor or valve) and shuttle and shuttle and stator or rotor or valve) and shuttle (stator or rotor or valve) and shuttle ((stator or rotor or valve) and shuttle	dj plate) or microtiter or litiwell or multi-well or (multi adj	B UB;	2003/03/09 13:18
12 ((422/103).CCLS.) and stator 67 (422/103).CCLS. 0 ((422/103).CCLS.) 1394 (stator or rotor or valve) and shuttle a 1304 (stator or rotor or valve) and shuttle a 1304 ("4221568" "4311667" "4728502").PN. 14092276.URB* "4311667" "4728502").PN. 1509276.URB* "4311667" "4728502").PN. 1609276.URB* "4311667" "4728502").PN. 179 grady.in.").PN. 719 grady.in. and 422/8.ccls. 1389 ((stator or rotor or valve) and shuttle			01.01 71/00/0000
12 ((422/103).CCLS.) and stator 67 (422/103).CCLS.) 1394 (stator or rotor or valve) and shuttle ("422/103).CCLS. 8 ("4221568" "4311667" "4728502").PN. 1 ("Grady.in.").PN. 7 grady.in.").PN. 7 grady.in. and 422/\$.ccls. 1389 ((stator or rotor or valve) and shuttle		JB;	1.61 /1/60/600
12 ((422/103).CCLS.) and stator 67 (422/103).CCLS. 1394 (stator or rotor or valve) and shuttle a 660 (422/103).CCLS. 660 (422/103).CCLS. 660 (422/103).CCLS. 660 (422/103).CCLS. 1 "4221568" "4311667" "4728502").PN. 2 ("4221568" "4311667" "4728502").PN. 1 (695276.URPN. 0 ("grady.in.").PN. 7 grady.in. and 422/\$.ccls. 1389 ((stator or rotor or valve) and shuttle	EPO; JPO BEWENT; DERWENT;	EPO; JPO; DERWENT;	
67 (422/103), CCLS. 0 (422/103), CCLS.) and stator 1394 (stator or rotor or valve) and shuttle a 660 (422/103), CCLS. 3 ("4221568" "4311667" "4728502"), PN. 1 6096276, URPN. 0 ("grady.in."), PN. 7 grady.in. and 422/\$.ccls. 1389 ((stator or rotor or valve) and shuttle	and stator		2003/03/15 17:07
67 (422/103), CCLS. (422/103), CCLS.) and stator 1394 (stator or rotor or valve) and shuttle a (422/103), CCLS. 660 (422/103), CCLS. ("4221568" "4311667" "4728502"), PN. 1 6096276. URPN. 0 ("grady.in."), PN. 719 grady.in. and 422/\$.ccls. 1389 ((stator or rotor or valve) and shuttle	US-FCFOD BPO/UTO DERWINDIA	US-FGFUB; EPO; JPO; DERWENT;	
660 (422/103).CCLS.) and stator 660 (422/103).CCLS. 3 ("4221568" "4311667" "4728502").PN. 1 6096276.URPN. 0 ("grady.in.").PN. 719 grady.in. and 422/\$.ccls. 1389 ((stator or rotor or valve) and shuttle		e e	003/03/15 15.4
660 (422/103), CCLS. 3 ("4221568" "4311667" "4728502"), PN. 1 6096276, URPN. 0 ("grady.in."), PN. 719 grady.in. and 422/\$,ccls. 1389 ((stator or rotor or valve) and shuttle	.) and stator		2003/03/15 15:42 2003/03/15 15:42 2003/03/15 16:09
660 (422/103), CCLS. 3 ("4221568" "4311667" "4728502"), PN. 6096276.URPN. 0 ("grady.in."), PN. 719 grady.in. and 422/\$.ccls. 1389 ((stator or rotor or valve) and shuttle			
660 (422/103), CCLS. 3 ("4221568" "4311667" "4728502"), PN. 1 ("9221568" "4311667" "4728502"), PN. 0 ("grady.in."), PN. 719 grady.in. and 422/\$,ccls. 7 grady.in. and 422/\$,ccls.	DEPOY JPO	EPO; JPO; DERWENT;	
3 ("4221568" "4311667" "4728502").PN. 3 ("4221568" "4311667" "4728502").PN. 1 6096276.URPN. 719 grady.in.").PN. 71 grady.in. and 422/\$.cc1s. 1389 ((stator or rotor or valve) and shuttle	S. USPĀT;	 n	2003/03/15 17:40
3 ("4221568" "4311667" "4728502").PN. 3 ("4221568" "4311667" "4728502").PN. 1 6096276.URPN. 719 grady.in.").PN. 7 grady.in. and 422/\$.ccls. 1389 ((stator or rotor or valve) and shuttle	0.02 - 5.0 - 5.00 - 5.00 - 5.00 - 5.00 - 5.00 - 5.00 - 5.00 - 5.00 - 5.00 - 5.00 - 5.00 - 5.00 - 5.00 - 5.00 - 5.00 - 5.00	US-PGPUB; EPO; JPO;	
3 ("4221568" "4311667" "4728502").PN. 1 (5096276.URPN. 0 ("Grady.in.").PN. 719 grady.in. 7 grady.in. and 422/\$.ccls. 1389 ((stator or rotor or valve) and shuttle	DERWENT;	TENT;	
1 47.28502").FN. 1 6096276 URPN. 719 grady.in.").PN. 7 grady.in. and 422/\$.ccls. 7 grady.in. or rotor or valve) and shuttle	"4728502").PN.	1	2003/03/15 15:44
719 grady.in.").PN. 719 grady.in. 7 grady.in. and 422/\$.ccls. 1389 ((stator or rotor or valve) and shuttle	_		2003/03/15 15:49 2003/03/15 15:49
grady.in. and 422/\$.ccls. grady.in. or rotor or valve) and shuttle			2003/03/15 16:03
7 grady.in. and 422/\$.ccls. 1389 ((stator or rotor or valve) and shuttle	aba-sn		
7 grady.in. and 422/8.ccls. 1389 ((stator or rotor or valve) and shuttle	DEWENT; DEWENT;	EPO; JPO; DERWENT;	
	e) and	m m	2003/03/15 16:04 2003/03/15 16:10
		US-PGPUB;	
	DENGLIN	ENT;	
361 (stator	or rotor or valve) same shuttle same bypass USPAT; USPAT;	UB;	2003/03/15 16:14
	EPO; JPO	EPO; JPO; DERWENT;	

-	200	(stator or rotor or valve) with shuttle with bypass	USPAT;	2003/03/15 16:14	16:14
ı	276	(251/289).ccLs.	CS-FGFGB, EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB;	2003/03/15 16:15	16:15
1	2713	((251/289) or (251/213) or (251/129.01) or (251/304)).CCLS.	EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB;	2003/03/15 16:15	16:15
ı	1928	(((251/289) or (251/213) or (251/129.01) or (251/304)).CCLS.) and (stator or rotor or valve)	EPO; JPO; DERWENT; IBM TDB USPAT; US-PGPUB;	2003/03/15 16:16	16:16
1	33	((((251/289) or (251/213) or (251/129.01) or (251/304)).CCLS.) and (stator or rotor or valve)) and bypass	EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB;	2003/03/15 16:17	16:17
ı	33	(((251/289) or (251/213) or (251/129.01) or (251/304)).CCLS.) and bypass	EPO; JPO; DERWENT; IBM_TDB USPAT;	2003/03/15	16:18
(199	(251/304).ccls.	US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPAT;	2003/03/15 16:19	16:19
I	454	((251/304).CCLS.) and (stator or rotor or valve)	US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPAT;	2003/03/15 16:19	16:19
I	13	("0359939" "0397904" "1914736" "3186437" "3599681" "3630371" "3026187" "466339681" "4899181" "36841	US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT	2003/03/15	16:22
1 1	10	"4254084" "4702889" "4728502"	USPAT	2003/03/15 2003/03/15	16:23 16:23
1 1	57 16	"5087425" "3975946" "4445391"	USPAT USPAT	2003/03/15 2003/03/15	16:25 16:26
1	13	"4726932" "4729876" "4822569").E	USPAT	2003/03/15	16:28

	68	(1422/102) CCTS 1 and notan:	Trenam.	17:41
	2		IIS-DEDIB.	
			10. Cut . Cut .	
			DEPMENT:	
			TEM THE	
1	283	(((251/289) or (251/213) or (251/129.01) or (251/304)).CCLS.) and rotary	USPAT:	2003/03/15 17:44
			US-PGPUB:	
			EDO: TPO:	
			DERWENT;	
			IBM TDB	
1	0	("24 and (stator or rotor or valve)").PN.	USPAT;	2003/03/15 17:51
			US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
			IBM TDB	
	m	("4221568" "4311667" "4728502").PN.	USPAT	2003/03/15 17:57
1	Н	6096276.URPN.	USPAT	2003/03/15 17:57
	10	"4254084"	TAGEL	2003/03/15 17-58
		"5019515" "5087425" "5137698") PN	!)
	5.7		TCDAT	2003/03/15 17-59
1	7 ("3621719" "3075016"	TATO	2003/03/15 18:00
) f	-	14.70	00:01 01/00/007
		10000000		
		4/20334 4/23070	E	
1	2.5		USPAI	10:31 51/50/5007
	۲٦	1 "3549994" "3664194" "3762609"	USPAT	
		3948104" "3991055"		
		"4506558").PN.		
ı	14	4726932.URPN.	USPAT	
1	14	4726932.URPN.	USPAT	2003/03/15 18:10
,	m	("3583232" "3991055" "4152391").PN.	USPAT	
1	18	4445391.URPN.	USPAT	2003/03/15 18:11
1	18	4445391.URPN.	USPAT	2003/03/15 18:14
1	9	("2846121" "3362228" "3567389" "3567390" "3615241"	USPAT	2003/03/15 18:15
		"3819330").pn.		
	20		USPAT	2003/03/15 18:15
ı	14	"4507977" "4673288" "4702889" "5079959"	USPAT	2003/03/15 18:22
		"5125737" "5255568" "5492833" "5631165" "5639666" "5656499"		
		"5798827" "6060322").PN.		
	2		USPAT	2003/03/15 18:24
1	თ	("3649203" "3827303" "4013413" "4022575" "4030369" "4274967"	USPAT	2003/03/15 19:13
		"4312635" "4315754" "4504443").PN.		
,	a o	4645647.URPN.	USPAT	2003/03/15 19:14
1	2	"20010036426"	USPAT;	2003/03/15 19:32
			US-PGPUB,	
			EPO; JPO;	
			DERWENT;	
			IBM TDB	
ı	m	"20020028160"	USPAT;	2003/03/15 19:34
			US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
			HEM TUB	

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			US-PGPUB;	
ı	4 4	(137/15.22).ccLs.	EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO;	2003/03/17 08:51
ı	19	(73/265).ccLs.	DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO;	2003/03/17 08:51
t	36	(73/1.84).CCLS.	DERWENT; IBM_TDB USPAT; US-PGPUB;	2003/03/17 09:31
1	75	(73/863.56).CCLS.	DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO;	2003/03/17 09:32
ı	14045	rotary adj valve	DERWENT; IBM TDB USPAT; US-PGPUB;	2003/03/17 09:32
	94	(rotary adj valve) and (high near flow) and (low near flow)	DERWENT; DERWENT; DERWENT; USPAT; US-PGPUB; EPO; JPO;	2003/03/17 09:34
. 1	თ	("3649203" "3827303" "4013413" "4022575" "4030369" "4274967" "4312635" "4315754" "4504443").PN.	DERWENT; IBM_TDB USPAT	2003/03/17 10:43
i i	342		USPAT USPAT; US-PGPUB;	2003/03/17 10:44 2003/03/17 12:01
1	209	73/863.72	EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO;	2003/03/17 11:39
1	236	73/863.82	DERWENT; IBM TDB USPAT; US-PGPUB;	2003/03/17 12:19
			DERWENT;	

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;; 2003/03/17 11:54 PPUB; 2003/03/17 11:54 NT; 2003/03/17 11:55 PPUB; 2003/03/17 11:55 JPUB; 2003/03/17 11:55	DDB 2003/03/17 12:01 PPB; DDB 2003/03/17 12:01 PPB; DPO;	NT; DB 2003/03/17 12:19 PUB; JPO;	INT; IDB 2003/03/17 12:10 2003/03/17 12:13	2003/03/17 12:15 2003/03/17 12:16 2003/03/17 12:19 PPUB;	JPO; NNT; DB 2003/03/17 12:22 \$PUB;	AMI; ibb ipb; spub; JPO;	NNT; DB 2003/03/17 12:28 PPUB; JPO;	NT; DB 2003/03/17 12:34 PUB; JPO; NT;
USPAT; US-PGPUB; EPO; JPO; DENWENT; IBM_IDB USPAT; US-PAT; US-PAT; EPO; JPO;	DERWENT; TBM TDB USPAT; US-PGPUB; EPO; JPO;	DERWENT; IBM TDB OS Shuttle))) US-PGPUB; EPO; JPO;	DERWENT; IBM TDB USPĀT 43" "4553985" USPĀT	USPAT USPAT USPAT USPAT US-PGPUB;		· · · · · · · · · · · · · · · · · · ·		DERWENT; IBM TDB) with (concurrent USPAT; US-PGPUB; EPO; JPO; DERWENT;
		s) or (stator and (rotor or shuttle)))	"4186607" "4353243" "4553985" "5095931").PN.		((rotary mear valve) or (stator and (rotor or shuttle))) and (concurrent near flow)	73/863.86 and ((rotary adj valve) or (stator and (rotor or shuttle)))	((rotary mear valve) or (stator and (rotor or shuttle))) same (concurrent near flow)	((rotary mear valve) or (stator and (rotor or shuttle))) with (concurrent near flow)
		73/864.81 and ((rotary adj valve)	2591337.URPN. ("3140615" "3492873" "3770012" "4186607" " "4948722" "4869282" "5083742" "5095931").PN.	R.P.N.	mear valve) or (stator)	and ((rotary adj valve	mear valve) or (stator)	mear valve) or (stator)
243 73/863.73 233 73/864.12	815 73/864.81		2 2591337.URPN. 10 ("3140615" "4848722" "		628 ((rotary m	3 73/863.86	142 (rotary m near flow)	64 ((rotary m
1 1		1					-	1

			US-PGPUB;		
				_	
			DERWENT;		
-	169	3127 (00) [21]	IBM TDB	01.61 61/60/6006	
	707		US-PGPUB;	71 /1/20/2007	n r
			EPO; JPO;		
			TEM TOR		
	156	(137/885).ccls.	USPAT;	2003/03/17 12:55	:55
			US-PGPUB;		
			DERWENT;		
			IBM_TDB		
ı	20	(13//215).CCLS.	USPAT; US-PGPUB;	2003/03/1/ 12	12:55
			EPO; JPO;		
			DERWENT;		
1	380	251/149	USPAT;	2003/03/17 16:	16:56
			US-PGPUB;		
			DERWENT;		
			IBM_TDB		
1	2446	(422/102).ccLs.	USPAT;	2003/03/17 17:14	:14
			EPO; JPO;		
			DERWENT;		
ı	066	((422/102).CCLS.) and plate	IBM TDB USPAT;	2003/03/17 17:18	: 18
			US-PGPUB;		
			EPO; JPO;		
			IBM_TDB		
1	28	(sampl%3 near valve) same ((opening or aperture or hole or passage\$4 or	USPAT;	2003/03/17 17:31	:31
			EPO; JPO;		
			DERWENT;		
1	2	("4506558").PN.	USPAT;	2003/03/17 19:10	:10
			US-PGPUB;		
			DERWENT;		
1	3	("3649203" "4043202" "417767" "4224033" "4315754").PN.	IBM TDB USPAT	2003/03/17 19	: 18
1	27	4520108.URPN.	USPAT	2003/03/17 19	19:19
	7	. 520 1103°) . P.N.	US-PGPUB;	61 /1/cn/cnnz	ν υ
			EPO, JPO;		_
			IBM TDB		
-	4	("3961534" "4182184" "4506558" "4726237").PN.	USPAT	2003/03/17 19	19:35

	d.	("3916692" "3961534" "4022065" "4068528").PN.	USPAT	
1	10		USPAT	2003/03/17 19:36
1	10	4182184.URPN.	USPAT	2003/03/17 19:37
1	8		USPAT	
1	099	(422/103).CCLS.	USPAT	2003/03/18 08:26
			US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
			IBM TDB	,
1	2	("4152391").PN.	USPAT;	2003/03/18 08:27
			US-PGPUB;	
			EDO: JPO:	
			DEBWENT	
			TRM TITE	
	83	(US-5255568-\$ or US-6096276-\$ or US-5270212-\$ or US-5158751-\$ or	USPAT	2003/03/18 11:37
		US-4948565-\$ or US-5089234-\$ or US-4822569-\$ or US-5616300-\$ or	EPO; JPO	
		US-5447691-\$ or US-5250263-\$ or US-4726932-\$ or US-4710355-\$ or		
		or US-4645647-\$		
		or US-4152391-\$ or US-3991055-\$ or US-3990853-\$		
		or 115-4444066-5 or 115-4506558-5 or 115-3885439-5		
		0x 110 EEEOAAOE & OE OB 43000350 & OE OB 50005400 & Or Ob 5000540040 & Ox Ob 5000540 & Ox Ob		
		0x 11S-6437200-\$		
		\$-15797/#=00 TO \$-9#5989#-50 TO \$-007/5#5-50 TO		
		or us-356/389-\$ or us-635/5//-\$ or us-5460055-\$		
		or US-64156/U-\$ or US-635416U-\$ or US-6155123-\$		
		or US-5970803-\$		
		US-4625569-\$ or US-4577515-\$ or US-4476731-\$ or US-4059009-\$ or		
		US-3964513-\$).did. or (US-3864978-\$ or US-3800602-\$ or US-3417605-\$ or		•
		US-3368385-\$ or US-3249403-\$ or US-3171274-\$ or US-3057376-\$ or		
		US-2981092-\$ or US-6453946-\$ or US-6453725-\$ or US-6390127-\$ or		
		or US-5105851-\$ or US-4584887-\$ or US-4333500-\$		
		or US-5197192-\$ or US-5083742-\$		
		or US-4553423-\$		-
		US-6374860-\$ or US-5660370-\$ or US-3876881-\$ or US-4182184-\$) did. or		
	œ	(115-3567389-8 or 115-3567380-8 or 115-3567389-8 or	970911	7003/03/18 11:37
		18-32-31-33-5 or 115-354-9994-5 or 115-3-40480-5 or 115-3-40480-5 or	4	2003/03/18 11:3/
		US-3492873-\$).did.		
1	105907	"83" and motor	USPAT;	2003/03/18 11:38
			US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
			IBM TDB	

Page 10

	21 (08	-\$ or US-6096276-\$ or US-5270212-	USPAT;	2003/03/18 11:44
	ns-	or US-5089234-\$ or US-4822569-\$	US-PGPUB;	
	ns-i	or US-5250263-\$ or US-4726932-\$ or US-4710355-\$	EPO; JPO;	
	n-Sn	or US-4645647-\$ or US-4520108-\$ or US-4445391-\$	DERWENT;	
	-Sn	or US-4152391-\$ or US-3991055-\$ or US-3990853-\$	IBM_TDB	
	,-sn	or US-4444066-\$ or US-4506558-\$ or US-3885439-\$ or		
	, SU , SU	or US-5524496-\$).dld. or (US-5650577-\$ or US-496		
	100	or US-543/200-\$ or US-4896546-\$ or US-4/2623/-\$		
	, SU -	or US-356/389-\$ or US-63525//-\$ or US-5460055-\$		
	,-sn -	or US-64156/0-\$ or US-6354160-\$ or US-6155123-\$		
	-sn	or US-59/U8U3-\$ or US-595255/-\$ or US-5/63/95-\$		
	i-sn	or US-5283036-\$ or US-5207109-\$ or US-4836038-\$		
	i-sn	US-4625569-\$ or US-4577515-\$ or US-4476731-\$ or US-4059009-\$ or		
	ns-	.did. or (US-3864978-\$ or US-380		
	:-Sn	or US-3249403-\$ or US-3171274-\$		
	7-SU			
	3-SU	US-5340543-\$ or US-5105851-\$ or US-4584887-\$ or US-4333500-\$ or		
	C-SU	US-3297053-\$ or US-6168759-\$ or US-5197192-\$ or US-5083742-\$ or		
	3-SU	or US-3477207-\$		
	US-6	or US-5660370-5 or US-3876881-5		
	-Sn)).did. or (FR-2591337-5).did. or (JP-57070426-5).did.)		
	motor			
1	21 ((((((US-5255568-8 or US-6096276-8 or US-5270212-8 or US-5158751-8 or	USPAT:	7003/03/18 11:41
	_		US-PGPIIB:	11:11 01/00/002
	3-SU	US-5447691-s or US-5250263-s or US-4726932-s or US-471035-s or	EPO: TPO:	
	11S-4	or 115-4645647-5 or 115-4520108-5 or 115-4445391-5	DEBWENT.	
	115-4	\$ 1000100	TEM TIPE	
	1.671	01 02 110 10 10 10 02 170 10 02 10 02 10 02 10 02 10 02 02 02 02 02 02 02 02 02 02 02 02 02	777	
	, , ,	OF US-44444006-9 OF US-4006008-9 OF US-5880458-9 OF		
	, - NO	or US-5524496-\$).dld. or (US-565U5//-\$ or US-495		
	ns-(or US-5437200-\$ or US-4896546-\$ or US-4726237-\$		
	ns-	or US-3567389-\$ or US-6352577-\$		
	3-SU	or US-6415670-\$ or US-6354160-\$		
	nS−€	or US-5970803-\$		
	3-SU			
	US-4	US-4625569-\$ or US-4577515-\$ or US-4476731-\$ or US-4059009-\$ or		
	C-SU	$\overline{}$		
	US-3	or US-3249403-\$ or US-3171274-\$		
	US-2	US-2981092-\$ or US-6453946-\$ or US-6453725-\$ or US-6390127-\$ or		
	G-SU	or US-5105851-\$		
	€-SU	or US-6168759-\$		
	3-SU	US-5069606-\$ or US-4553423-\$ or US-4521225-\$ or US-3477207-\$ or		
	J-SU	US-6374860-\$ or US-5660370-\$ or US-3876881-\$ or US-4182184-\$).did. or		
	-sn)	(US-4242909-\$).did. or (FR-2591337-\$).did. or (JP-57070426-\$).did.) and		
	mote	motor) and (time or min or minutes or minute or min. or sec. or sec or s.		
	or s	or s or second or seconds)		

-	3 ((US	-\$ or US-6096276-\$ or US-5270212-\$ or US-5158751-	USPAT;	2003/03/18 11:55
	US-4	US-444485051-¢ OF US-5048424-4-¢ OF US-448425054-¢ OF US-504163UU-¢ OF US-504448501-¢ OF US-504468501-¢ OF US-504668501-¢ OF US-504668501-¢ OF US-504668501-¢ OF US-504668501-¢ OF US-504668501-¢ OF US-504668501-	US-PGPUB;	
	. 11S-4	or IIS-4645647-5 or IIS-4520108-5	DEDWENT.	
	US-4:	or US-4152391-\$ or US-3991055-\$ or US-3990853-\$	IBM TDB	
	US-3.	or US-4444066-\$	ı	
	US-3	or US-5524496-\$)		
	US-6.	or US-5437200-\$ or US-4896546-\$ or		
	US-3.	or US-3567389-\$ or US-6352577-\$ or US-5460055-\$		
	US-5.	US-64156/U-\$ Or US-635416U-\$ Or US-6155123-\$ TRS-5070803-\$ Or TRS-5052557-\$ Or TRS-576376-\$		
	10S-50	or US=59/0605-9 or US=595/55/-9 or Or US=5283036-8 or US=5207109-8 or		
	US-4	or US-4577515-\$ or US-4476731-\$ or US-4059009-\$		
	US-3).did. or (US-3864978-\$ or US-3800602-\$ or US-341		
	US-3.			
	US-2	or US-6453946-\$ or US-6453725-\$		
	US-5.	or US-5105851-\$ or US-4584887-\$		
	US-3.	or US-6168759-\$		
	US-5	US-5069606-\$ or US-4553423-\$ or US-4521225-\$ or US-3477207-\$ or		
	9-Sn	US-6374860-\$ or US-5660370-\$ or US-3876881-\$ or US-4182184-\$).did. or		
	-SU)			
	moto.	motor with (time or min or minutes or minute or min. or sec. or sec or s.		
	or s	or socond or seconds)		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1	3 (08	-\$ or US-6096276-\$ or US-5270212-\$ or US-5158751	USPAT;	2003/03/18 11:59
	US-4	or US-5089234-\$ or US-4822569-\$ or US-5616300-\$	US-PGPUB;	
	0S-2	or US-5250263-\$ or US-4726932-\$ or US-4710355-\$	EPO; JPO;	
	US-4	or US-464564/-\$ or US-4520108-\$ or US-4445391-\$	DERWENT;	
-	US-4	US-4152391-\$ or US-3991055-\$ or US-3990853-\$	IBM_TDB	
	C-C)	OT 02-44440000-4 OT 02-4000000-4 OT 02-2000400-4 OT		
	0.5=5.	ם כ		
	US-3	or US-3567389-\$ or US-6352577-\$ or US-5460055-\$		
	US-5.	or US-6415670-\$ or US-6354160-\$ or US-6155123-\$		
	19-SU	or US-5970803-\$ or US-5952557-\$ or US-5763795-\$		
	US-5.	or US-5283036-\$ or US-5207109-\$		-
	US-4			
	US-3			
	US-3.			
	ns-2:	or US-6453946-\$ or US-6453725-\$		
	US-5.	or US-5105851-\$ or US-4584887-\$		
	US-3.	or US-6168759-\$ or US-5197192-\$		
	US-5	US-5069606-\$ or US-4553423-\$ or US-4521225-\$ or US-3477207-\$ or		
	US-6.	US-6374860-\$ or US-5660370-\$ or US-3876881-\$ or US-4182184-\$).did. or		
	(20)	did.) and		
	(mor	motor with (time or min or minutes or minute or min, or sec. or sec or s.		
	OL S	or s or second or seconds))		

	9 ((US-5255568-\$ or US-6096276-\$ or US-5270212-\$ or US-5158751-\$ or	USPAT;	2003/03/18 12:01
	US-4948565-\$ or US-5089234-\$ or US-4822569-\$ or US-5616300-\$ or	US-PGPUB;	
	US-5447691-\$ or US-5250263-\$ or US-4726932-\$ or US-4710355-\$ or	EPO; JPO;	
	US-4702889-\$ or US-4645647-\$ or US-4520108-\$ or US-4445391-\$ or	DERWENT;	
	US-4507977-\$ or US-4152391-\$ or US-3991055-\$ or US-3990853-\$ or	IBM TDB	
	US-3583232-\$ or US-4444066-\$ or US-4506558-\$ or US-3885439-\$ or	1	
	US-3948104-\$ or US-5524496-\$).did. or (US-5650577-\$ or US-4957008-\$ or		
	US-6228652-\$ or US-5437200-\$ or US-4896546-\$ or US-4726237-\$ or		
	US-3567390-\$ or US-3567389-\$ or US-6352577-\$ or US-5460055-\$ or		
	US-5390552-\$ or US-6415670-\$ or US-6354160-\$ or US-6155123-\$ or		
	US-6012487-\$ or US-5970803-\$ or US-5952557-\$ or US-5763795-\$ or		
	US-5542305-\$ or US-5283036-\$ or US-5207109-\$ or US-4836038-\$ or		
_	US-4625569-\$ or US-4577515-\$ or US-4476731-\$ or US-4059009-\$ or		
=-	US-3964513-\$).did. or (US-3864978-\$ or US-3800602-\$ or US-3417605-\$ or		
	US-3368385-\$ or US-3249403-\$ or US-3171274-\$ or US-3057376-\$ or		
	US-2981092-\$ or US-6453946-\$ or US-6453725-\$ or US-6390127-\$ or		
	US-5340543-\$ or US-5105851-\$ or US-4584887-\$ or US-4333500-\$ or		
	US-3297053-\$ or US-6168759-\$ or US-5197192-\$ or US-5083742-\$ or		•
_	US-5069606-\$ or US-4553423-\$ or US-4521225-\$ or US-3477207-\$ or		
	US-6374860-\$ or US-5660370-\$ or US-3876881-\$ or US-4182184-\$).did. or		
	(US-4242909-\$).did. or (FR-2591337-\$).did. or (JP-57070426-\$).did.) and		
	(motor same (time or min or minutes or minute or min. or sec. or sec or s.		
	or s or second or seconds))		

2-\$ or US-5158751-\$ or USPAT; 2003/03/18 12:01 or US-5616300-\$ or OS-05010355-\$ or US-4710355-\$ or US-4710355-\$ or	or US-4445391-\$ or or US-3990853-\$ or or US-3990853-\$ or or US-39085439-\$ or	303//-\$ Or US-493/UU8-\$ Or Or US-472623-\$ or Or US-546005-\$ or Or US-6155123-\$ or	or US-5763795-\$ or or US-4836038-\$ or or US-4059009-\$ or	00602-\$ or US-3417605-\$ or or US-3057376-\$ or or US-6390127-\$ or	or US-433500-\$ or or US-5083742-\$ or or US-5083742-\$ or or US-3477207-\$ or	r (JP-57070426-\$).did.) and e or min. or sec. or sec or s. 68-\$ or US-6096276-\$ or	or US-4948565-\$ or US-5089234-\$ or or US-4948565-\$ or US-44702189-\$ or US-4702889-\$ or US-440289-\$ or US-4507977-\$ or US-4507977-\$ or US-4507977-\$ or US-4507977-\$	or US-4444066-\$ or or US-524496-\$).did. or \$ or US-543700-\$ or or US-3567389-\$ or	or US-6415670-\$ or or US-52970803-\$ or or US-5283036-\$ or or US-4577515-\$ or i.i.d. or (US-3864978-\$ or	or US-3249403-\$ or or US-6453946-\$ or or US-5105851-\$ or or US-6168759-\$ or	or US-4553423-\$ or or US-5660370-\$ or 42909-\$).did. or and (motor with (time or min or s. or second or
6 (((US-5255568-\$ or US-6086276-\$ or US-5270212-\$ or US-5158751-\$ US-4948565-\$ or US-5089234-\$ or US-4822569-\$ or US-5616300-\$ or US-5447691-\$ or US-5250263-\$ or US-4726932-\$ or US-4710355-\$ or	or US-4645647-\$ or US-4152391-\$ or US-4444066-\$	or US-5324436-3) or US-5437200-\$ or US-3567389-\$ or US-6415670-\$	US-6012487-\$ or US-5970803-\$ or US-5952557-\$ or US-5763795-\$ or US-5542305-\$ or US-5283036-\$ or US-5207109-\$ or US-4836038-\$ or US-4477515-\$ or US-4476731-\$ or US-4476731-\$ or US-4476731-\$		US-5440543-\$ or US-5105851-\$ or US-4584887-\$ or US-4333500-\$ or US-3297053-\$ or US-6168759-\$ or US-5197192-\$ or US-5083742-\$ or US-51091066-\$ or US-4553423-\$ or US-3477207-\$ or US-3477807-\$ or US-3477807-\$ or US-3477801-\$	(US-4242999-\$1.did. or (FR-2591337-\$).did. or (JP-57070426-\$).did.) and (motor same (time or min or minutes or minute or min. or sec or or second or seconds)) not ((US-5255588-\$ or US-6096276-\$ or	or US-5158751-\$ or US-5616300-\$ or US-4710355-\$ or US-4445391-\$	or US-3990863-\$ or US-3583232-\$ or US-3885439-\$ or US-3948104-\$ \$ or US-622652-\$ or US-4726237-\$ or US-3567390-\$	US-6352577-\$ or US-5460055-\$ or US-5390552-\$ US-6354160-\$ or US-6155123-\$ or US-61012487-\$ US-5952557-\$ or US-5763795-\$ or US-5642305-\$ US-5207110-\$ or US-4836038-\$ or US-4625569-\$ US-4476731-\$ or US-4059009-\$ or US-3364513-\$)	or US-3417605-\$ or US-3057376-\$ or US-6390127-\$ or US-433500-\$	US-5197192-\$ or US-5083742-\$ or US-5069606-\$ or US-4553423-\$ or US-4221225-\$ or US-3477207-\$ or US-6374860-\$ or US-560370-\$ or US-3876881-\$ or US-4182184-\$). did. or (US-4242909-\$). did. or (US-2591337-\$). did. or (US-57070426-\$). did.) and (motor with (time or min or minutes or minutes or min. or sec. or sec or s. or second or

Page 14